

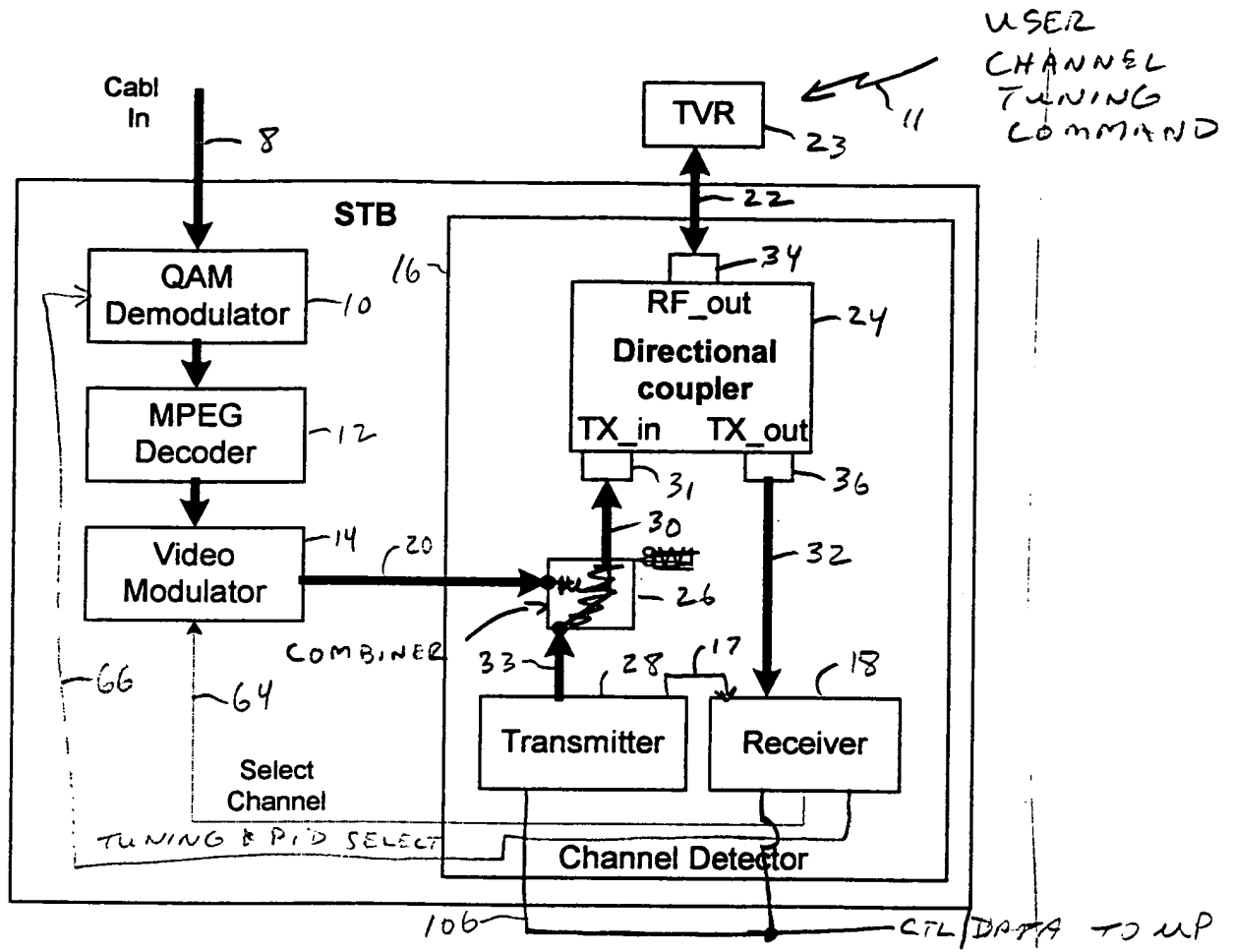


FIG. 1

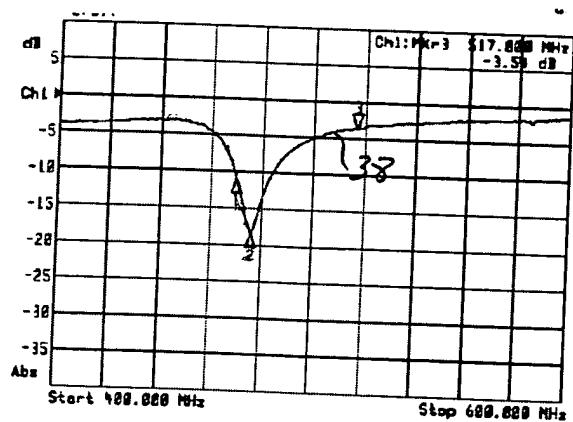


FIG. 2

PROCESS FOR USING RETURN LOSS TO DETERMINE CHANNEL
TO WHICH TVR IS TUNED

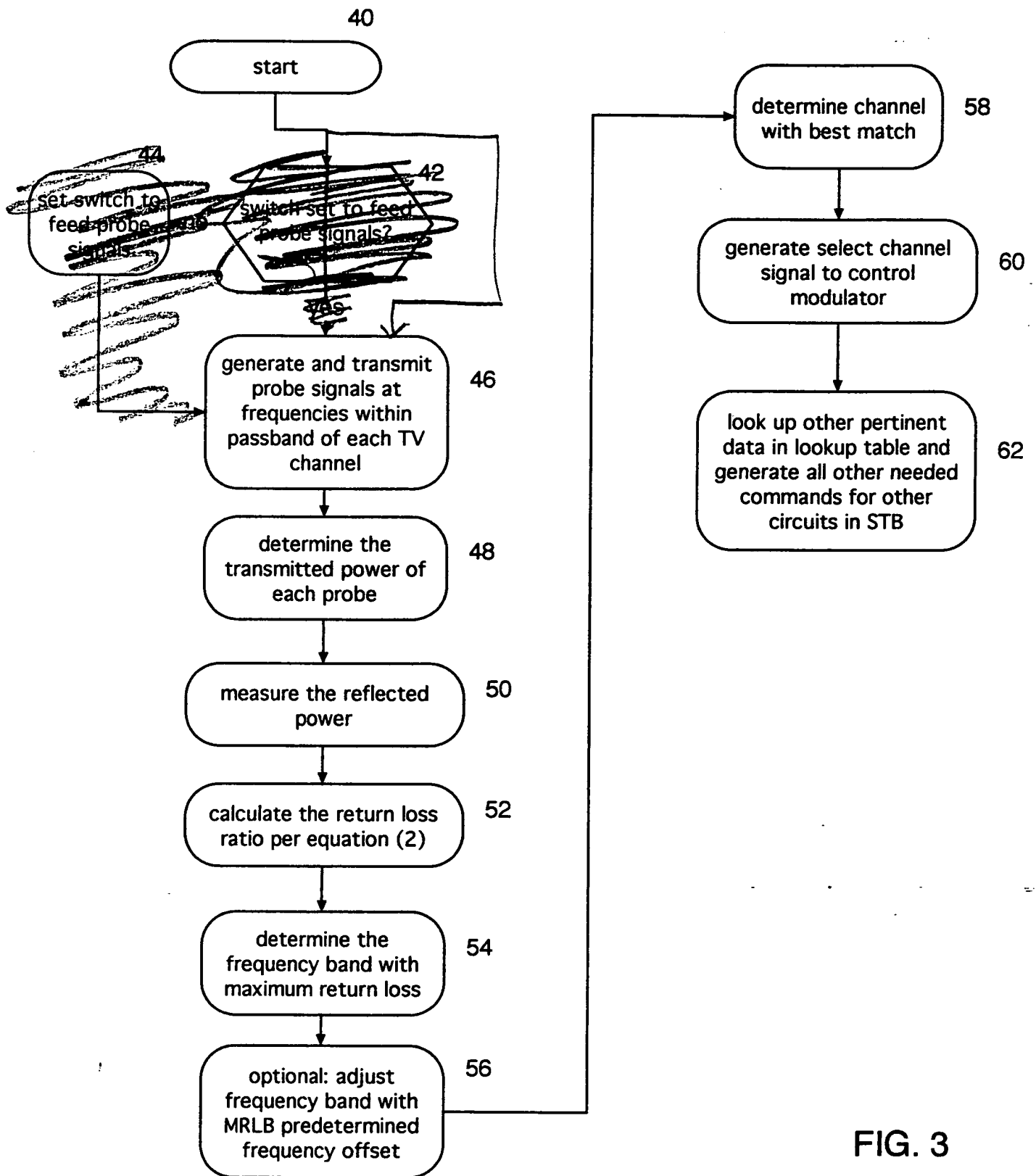


FIG. 3

PROCESS FOR USING RETURN LOSS TO VERIFY CHANNEL
TO WHICH TVR IS TUNED AS DETERMINED FROM L.O. LEAKAGE
RADIATION

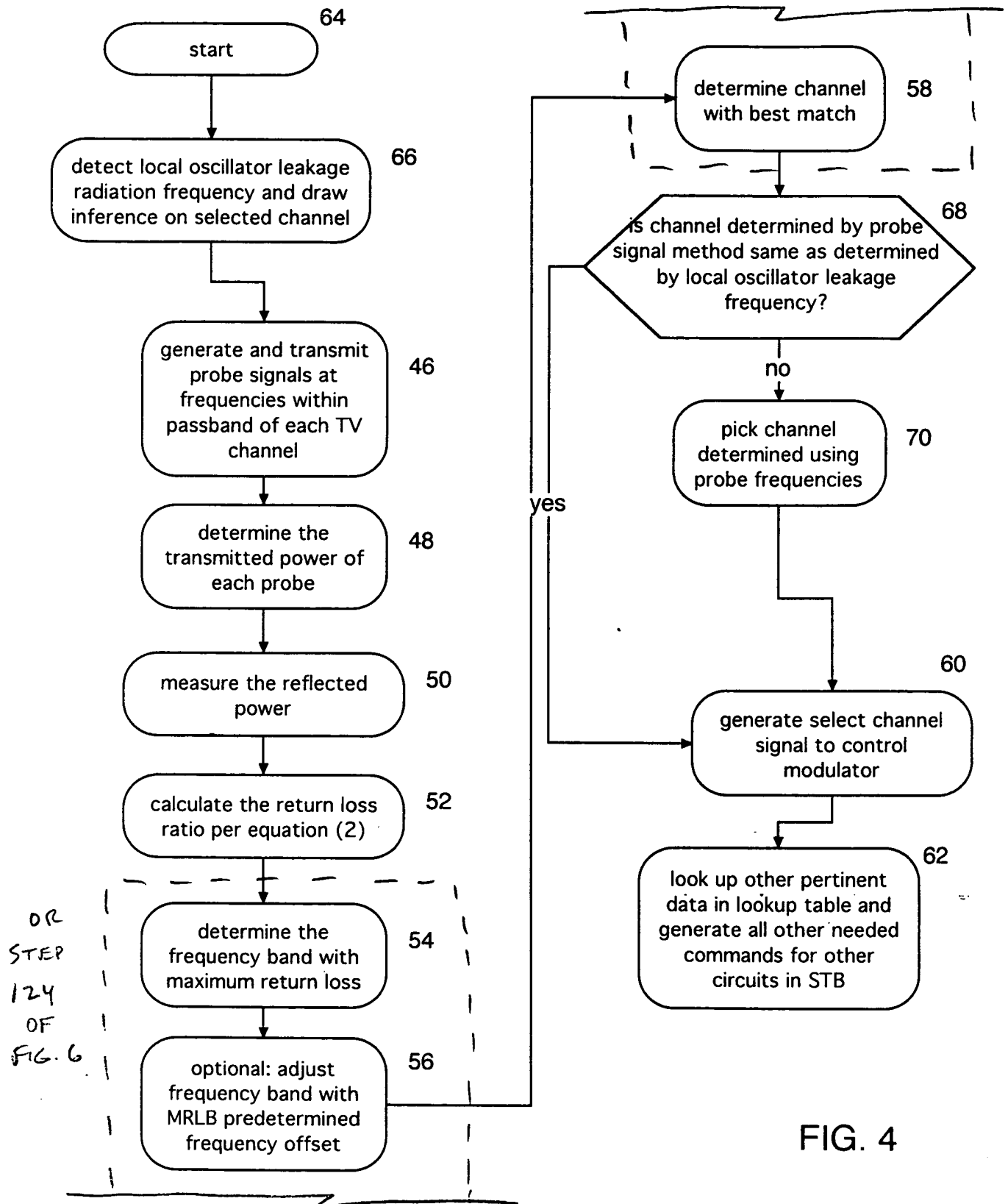


FIG. 4

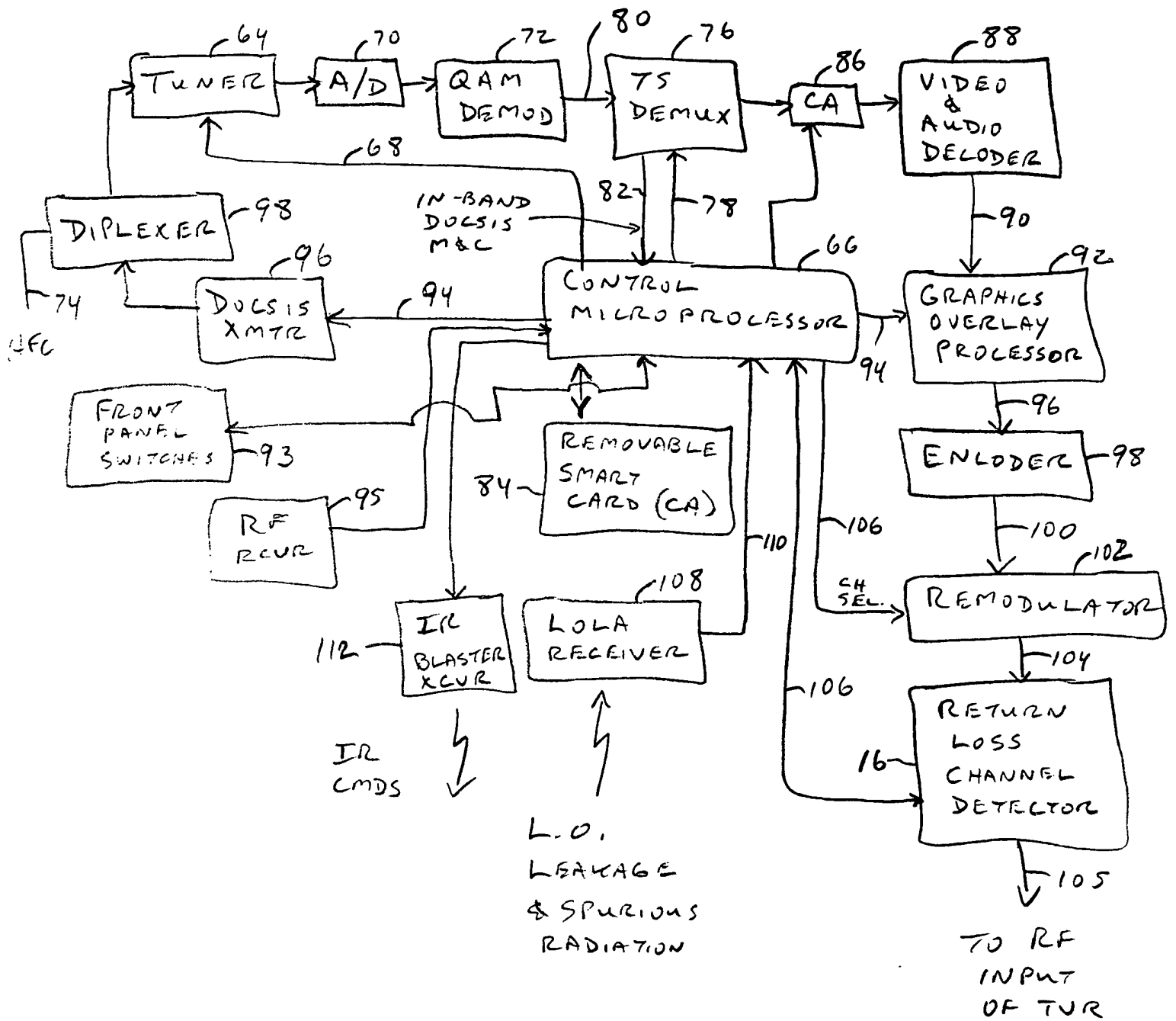


FIG. 5

PREFERRED PROCESS FOR DETECTING SELECTED CHANNEL USING RETURN LOSS SIGNATURE

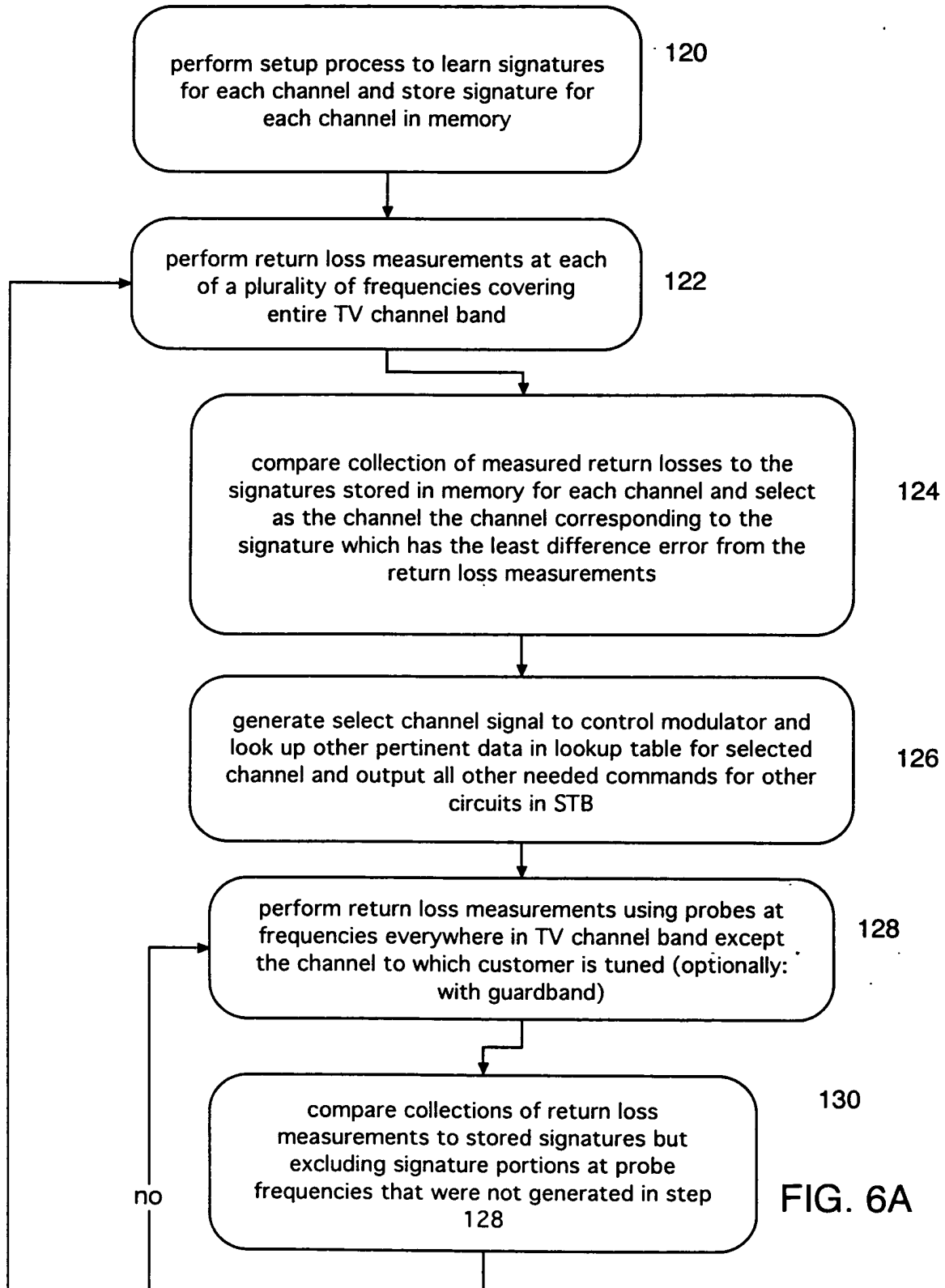


FIG. 6A

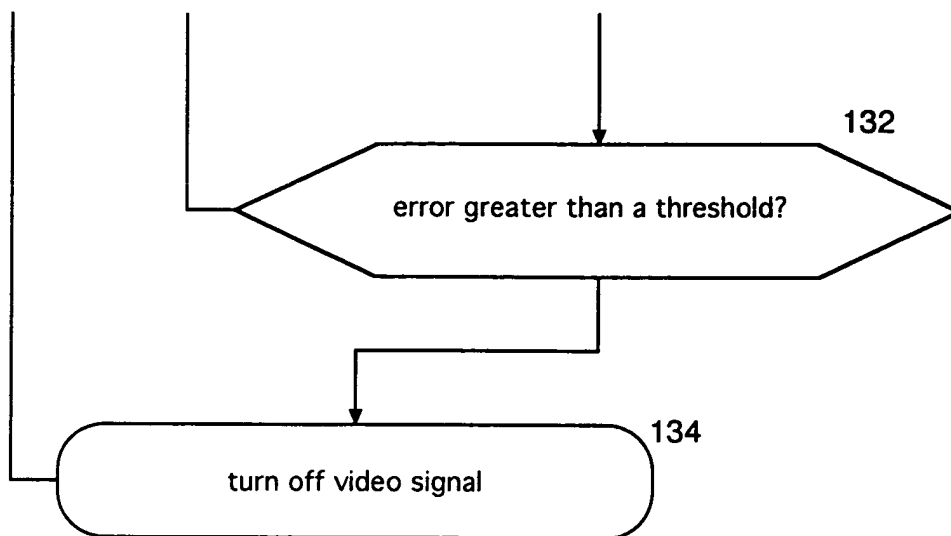


FIG. 6B

SETUP PROCESS FOR STB WITH BUILT IN IR BLASTER WITH UNIVERSAL REMOTE CAPABILITIES

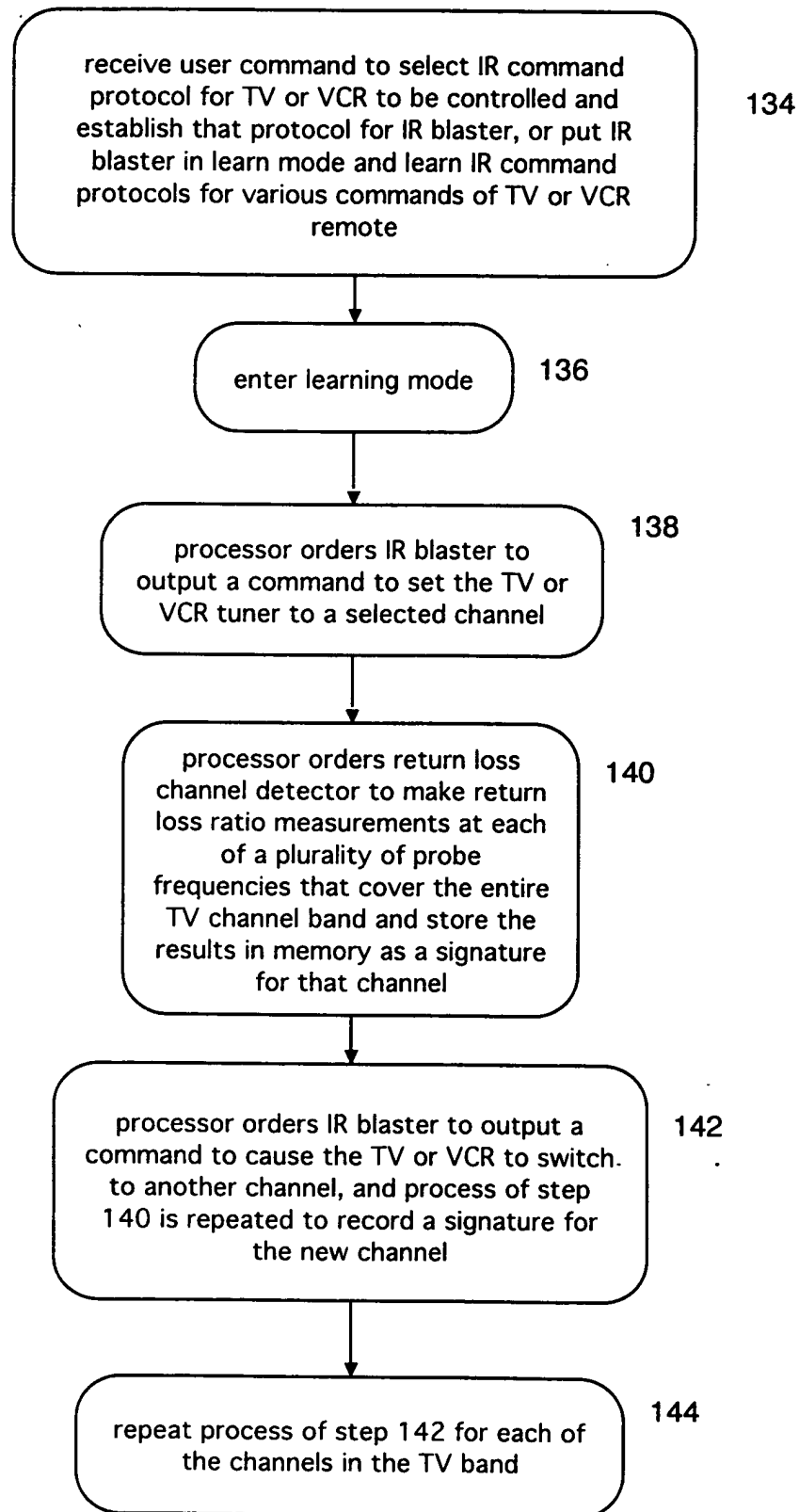


FIG. 7

SETUP PROCESS FOR STB WITH EXTERNAL IR/RF REMOTE CONTROL WITH UNIVERSAL REMOTE CAPABILITIES

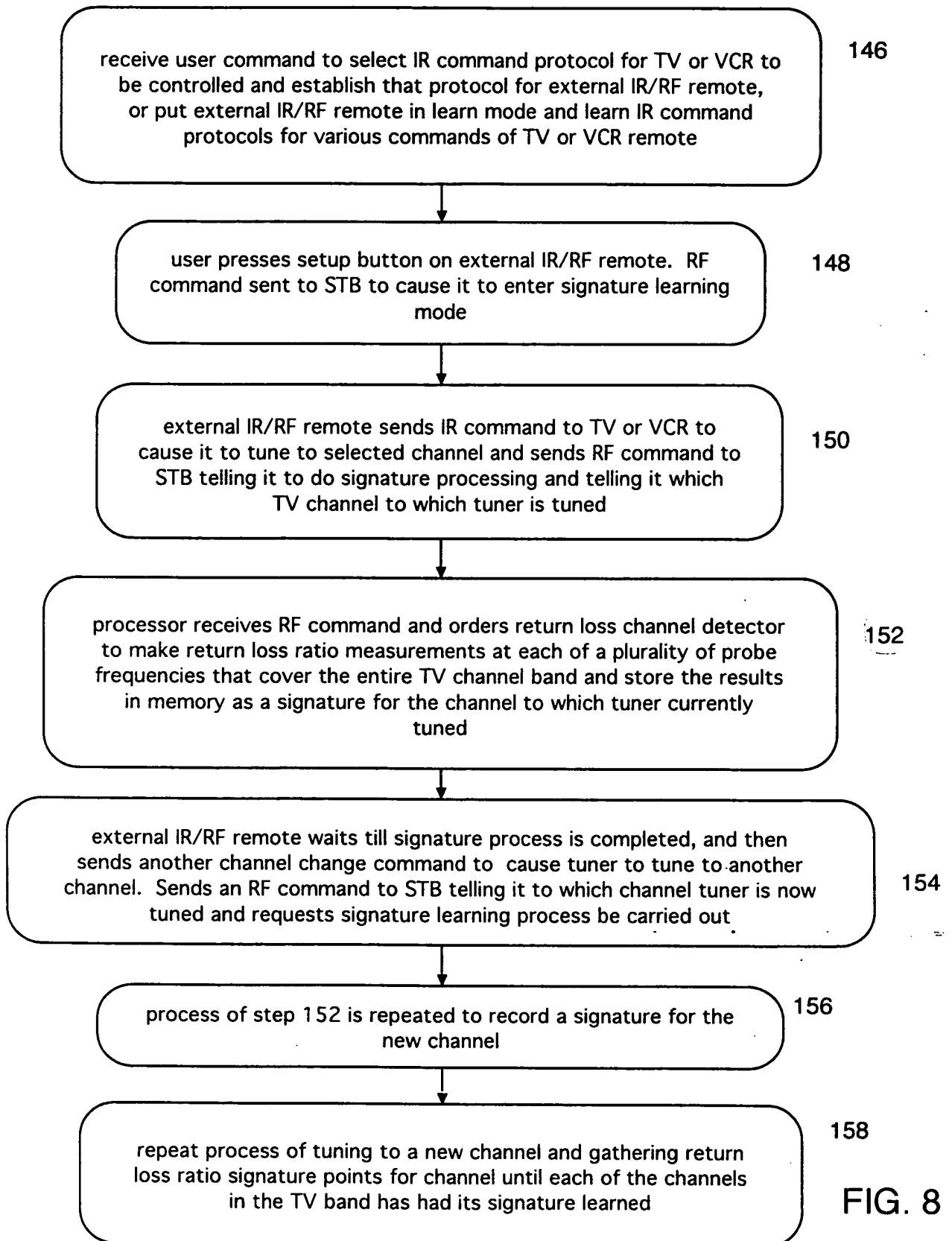


FIG. 8

MANUAL SETUP PROCESS

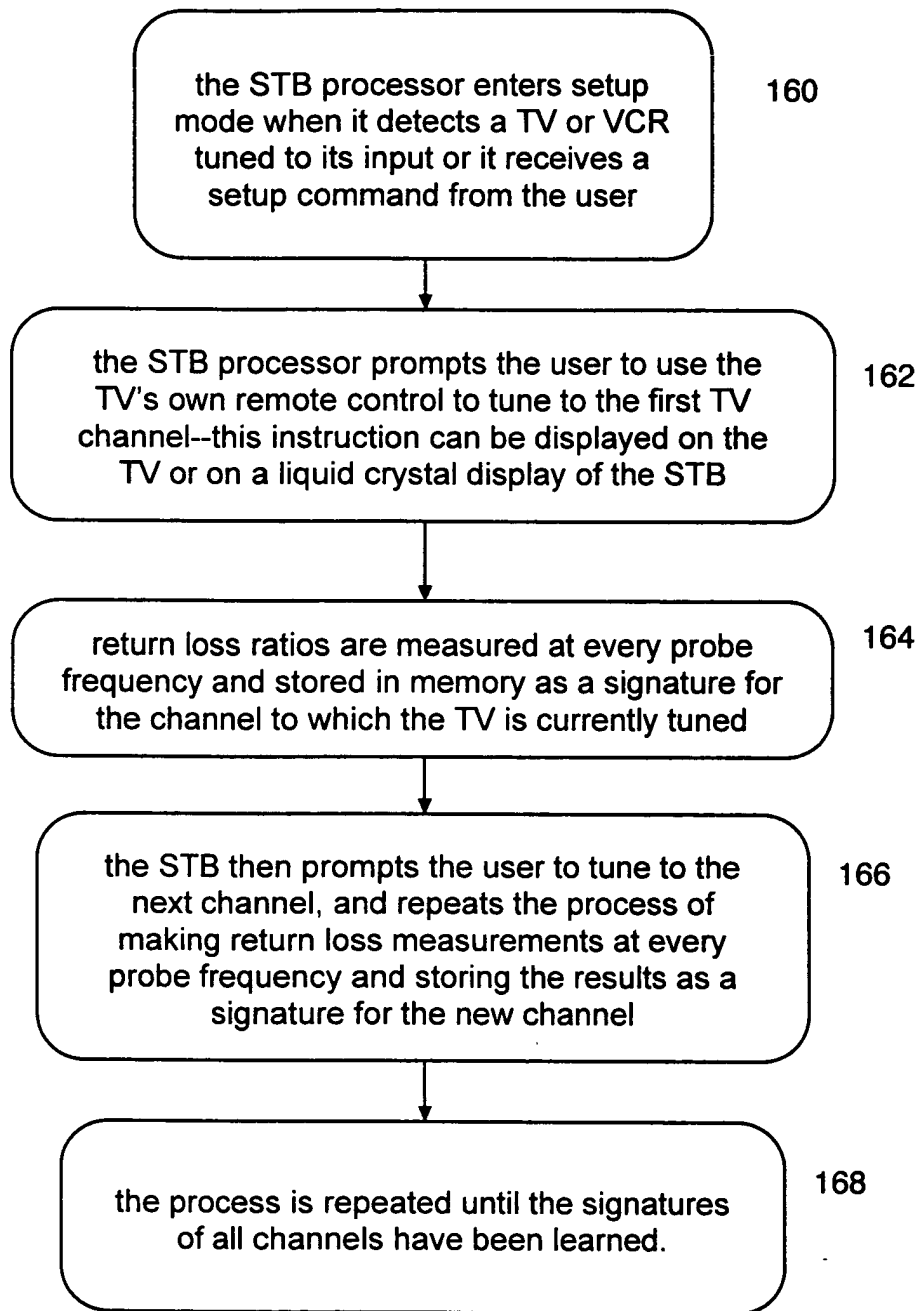
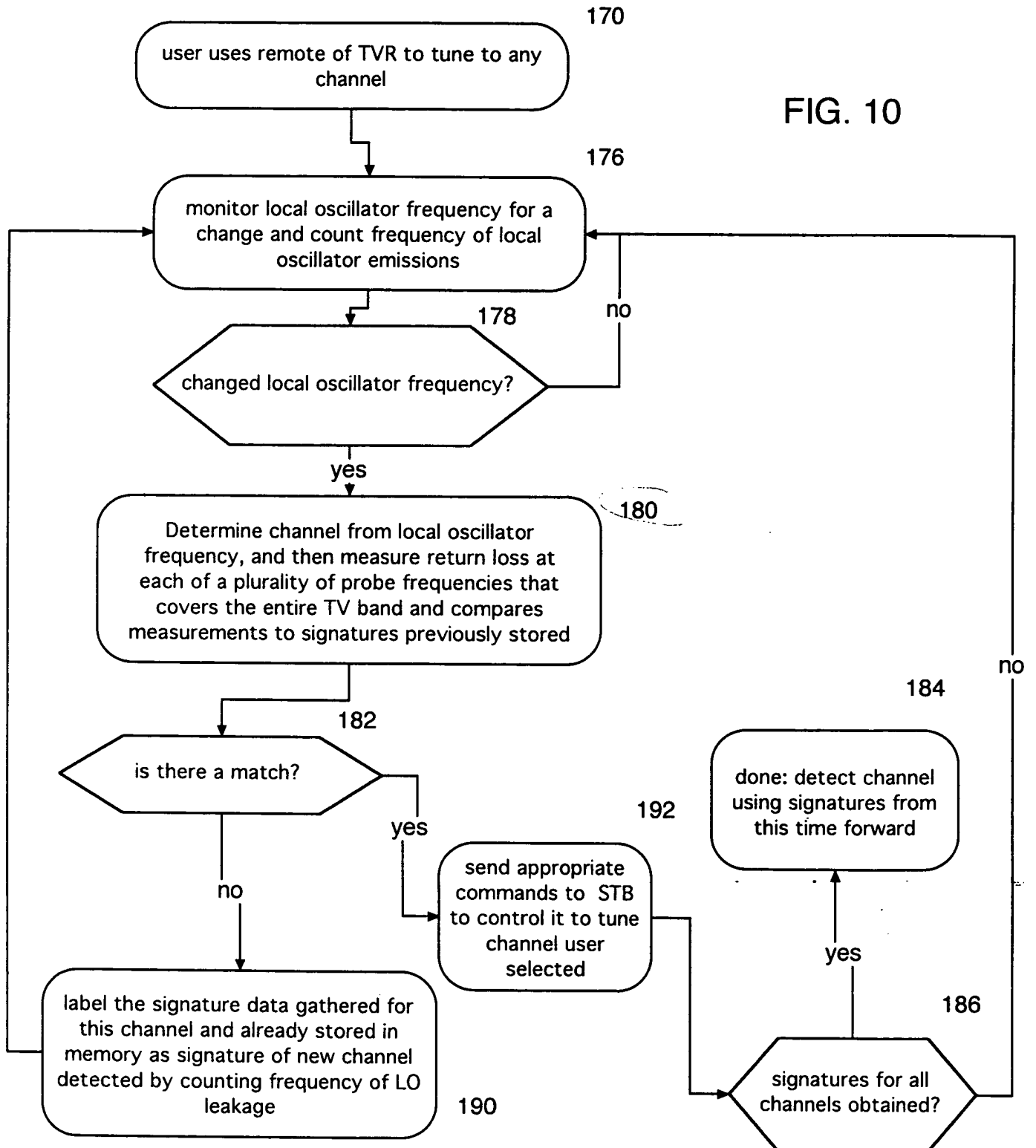


FIG. 9

SETUP AND CHANNEL DETECTION PROCESS USING LOCAL OSCILLATOR LEAKAGE DETECTION

FIG. 10



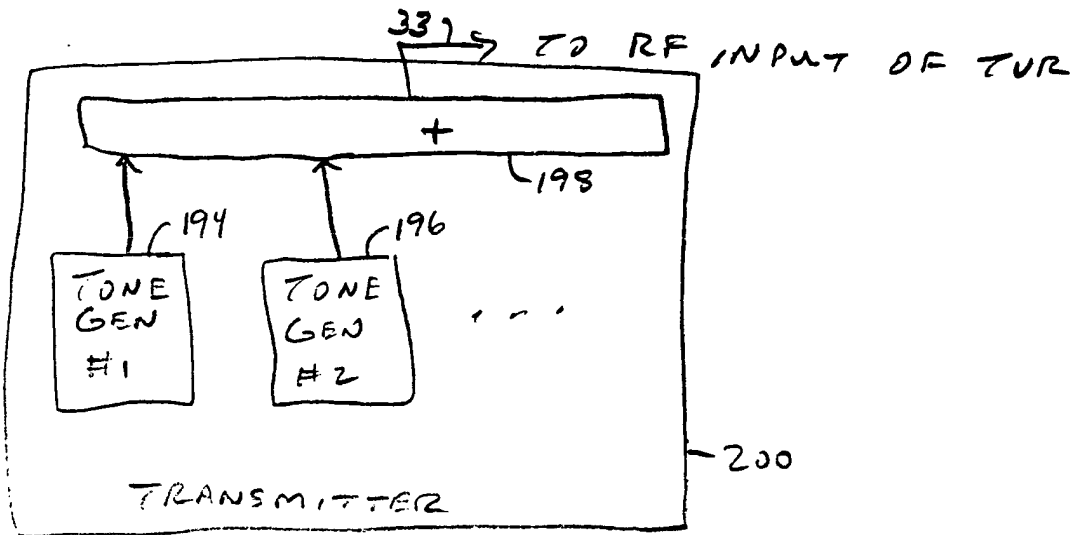


FIG. 11

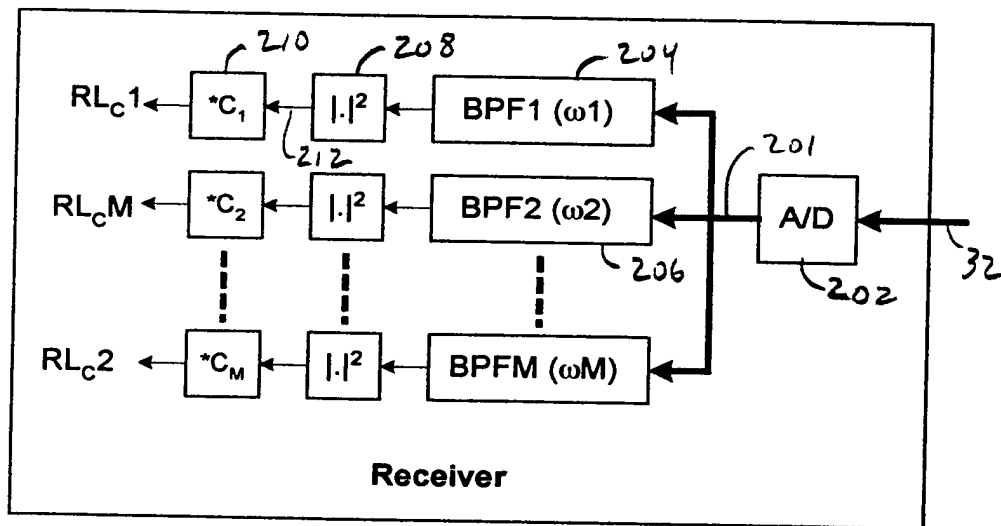


FIG. 12

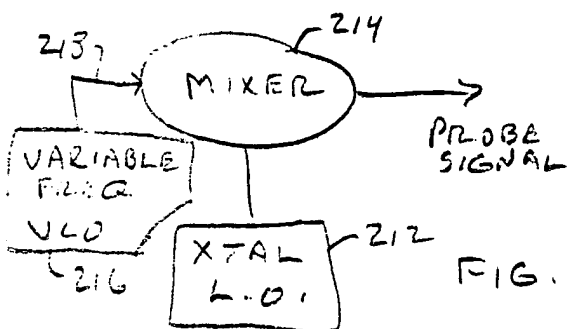


FIG. 13

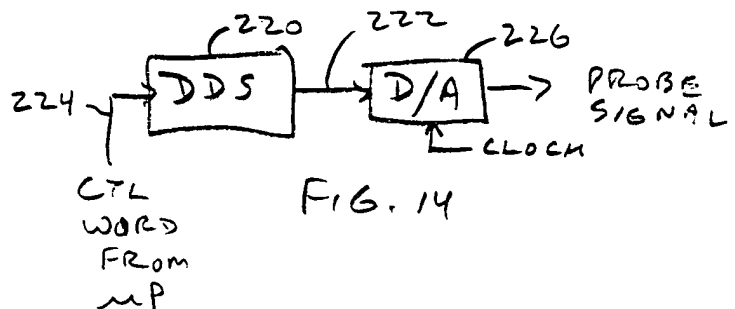


FIG. 14

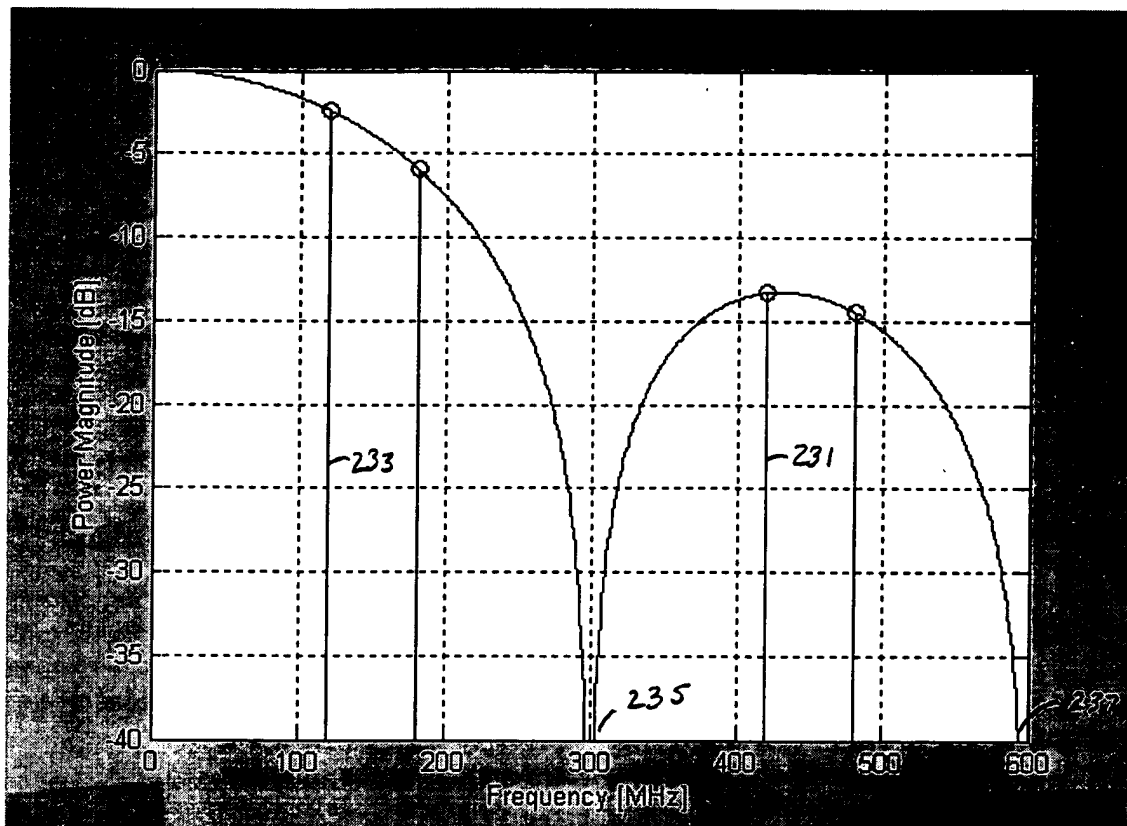


FIG. 15

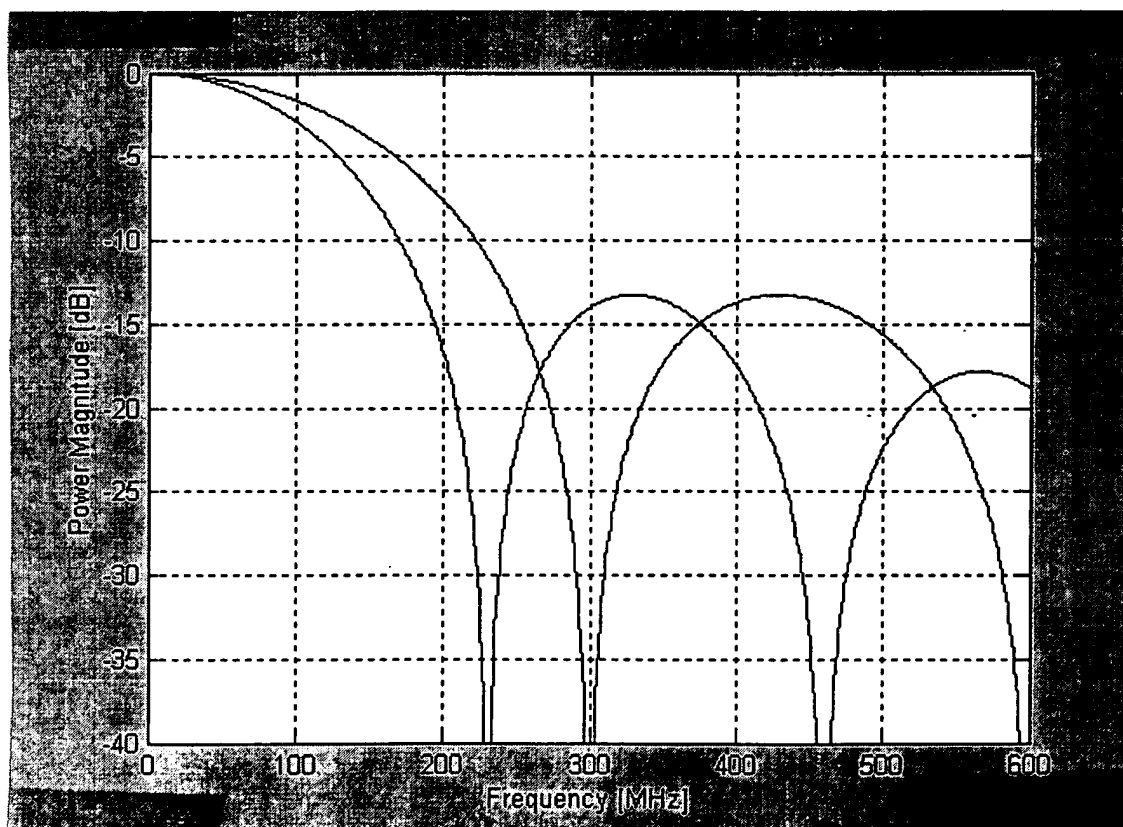
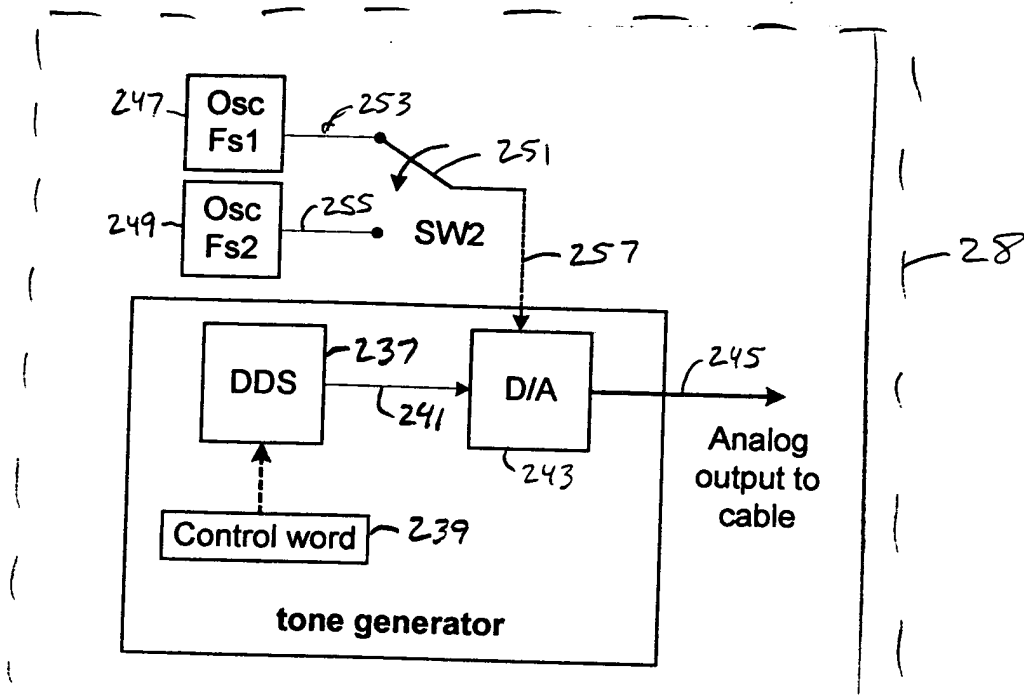


FIG. 16



PREFERRED TRANSMITTER
FIG. 17

PREFERRED METHOD TO GENERATE PROBE SIGNALS USING HARMONICS
AND USE PROBE SIGNALS TO MEASURE RETURN LOSSES AND STORE
SIGNATURE

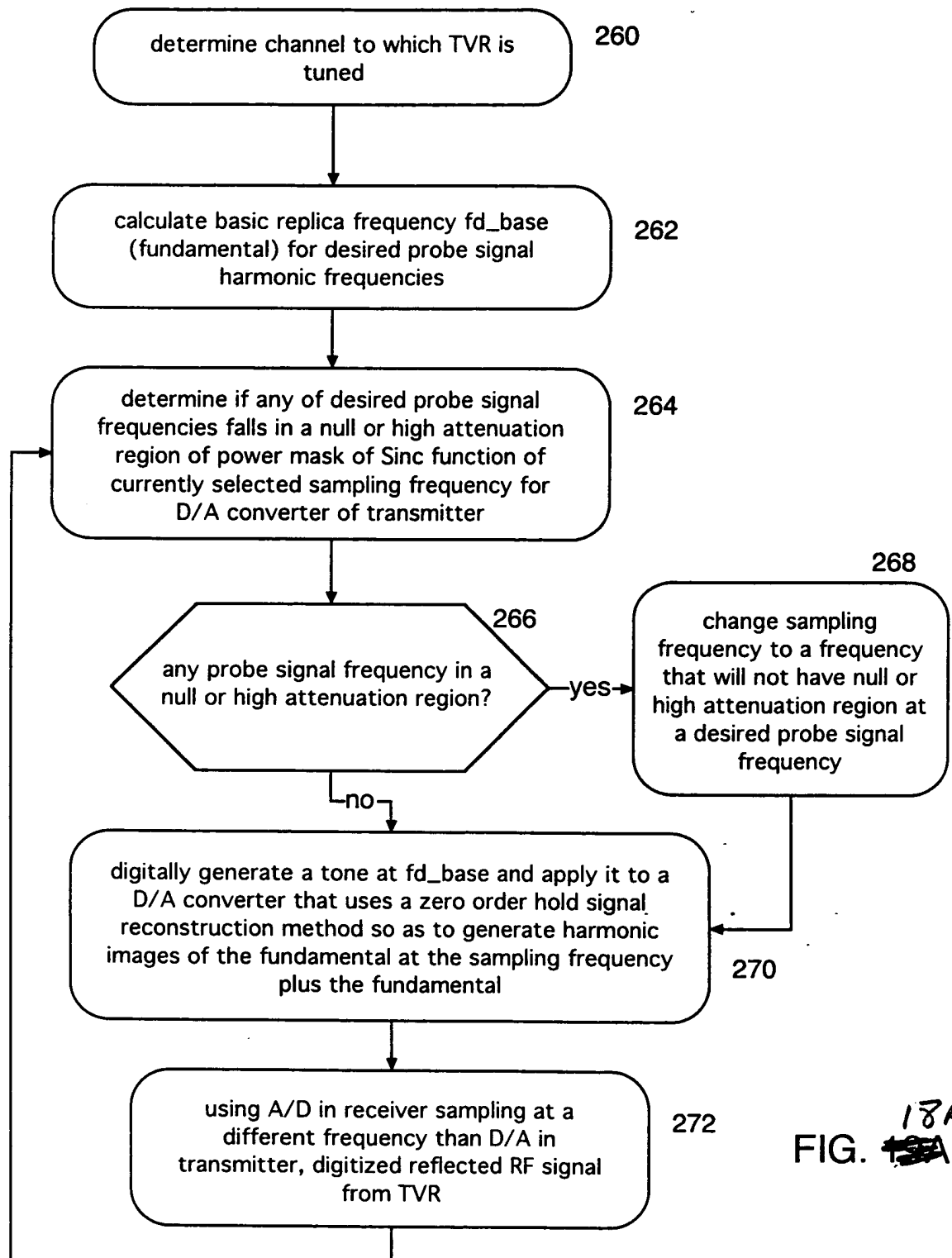


FIG. 18A

FIG. 18B

